

# Service Manual

59 / 66 / 68 Cm STEREO Colour Television

**CHASSIS : CP-775**

**MODEL:**

DTY-2896 TF / TU / TA / TFF / TUF / TAF / TK / TKF

DTY-2898 TF / TU / TA / TFF / TUF / TAF / TK / TKF / TFC

DTY-28G6 TF / TU / TA / TFF / TUF / TAF / TK / TKF

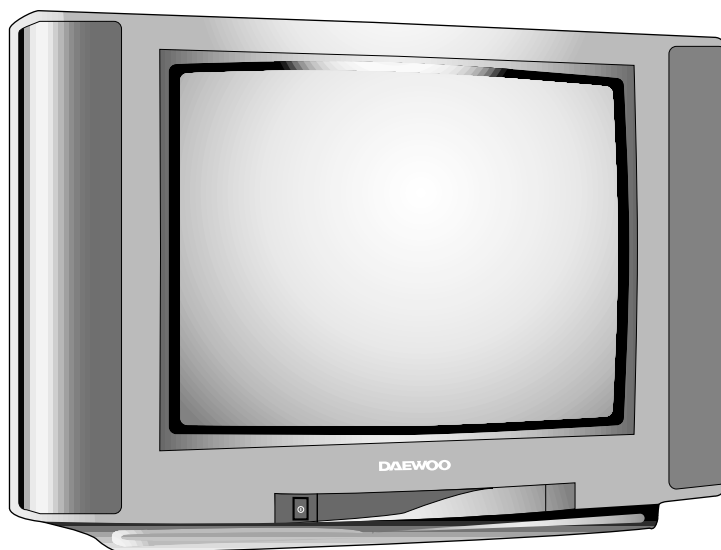
DTY-28G7 TF / TU / TA / TFF / TUF / TAF / TK / TKF

DTY-28G2 TFF / TUF / TAF / TKF

DTY-2594 TKF / TUF / TAF / TFF / TUF / TFC

DTY-25G1 TKO / TFO

DTY-29G1 TKO / TFO



**DAEWOO ELECTRONICS CO., LTD.**

<http://svc.dwe.co.kr>

**July, 1999**

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## § Specifications

CRT	25" : A59EAK071X11 (PHILIPS) 28" : A66EAK071X11 (PHILIPS)
System	TF : PAL - B/G for West Europe, NTSC-3.58 / 4.43 (Play back) TA : PAL - B/G, SECAM-L/L' for France, NTSC-3.58 / 4.43 (Play back) TU : PAL- I for U.K, NTSC-3.58 / 4.43 (Play back) TK : PAL/SECAM - B/G, D/K, NTSC-3.58/4.43(play back) for East Europe & CIS
Main Voltage	230V AC, 50Hz
Power Consumption	Stand-by mode : 10 Watts Normal operating mode : 25" = 75 Watts 28" = 75 Watts 29" = 75 Watts
Sound output	5 + 5 Watts, 10 % THD at RF 60 % mod. (1KHz)
Speaker	12W 4 ohm x 2 EA
Antenna Impedance	75 ohm unbalanced input
Tuning system	VS( voltage synthesis ) tuning
Tuner	3303KHC (TF, TA, TK, TI Model) BAND I : CH2 - CH4 BAND III : CH5 - CH12 CABLE BAND : S1' - S3' , S1 - S20 HYPER BAND : S21 - S41 BAND IV, V : CH21 - CH69 DT2-IV17D (TU Model ) BAND IV, V : CH21 - CH69
Number of program	70 programs
Aux. Terminal	21 pin EURO-SCART jack ( AV input, TV output, RGB input ) 21 pin EURO-SCART jack ( AV input, S-VHS input ) RCA type AV input jack Headphone jack (3.5 mmø)
Remote controller	R-28B03 or R-35D05 with 2 "AA" type batteries
Teletext	8 pages memory TOP & FLOF - West option :English, German/Dutch/Flemish, French, Italian, Spanish/Portuguese, Swedish/Finnish/Danish, Czech/Slovak - East option : Polish, Czech/Slovak, Rumanian, Hungarian, Servo-croat, German/Dutch/Flemish, French, Italian - Turkish option : Turkish, English, German/Dutch/Flemish, French, Italian, Spanish/Portuguese, Swedish/Finnish/Danish - Cyrillic option: Russian, Lettish/Lithuanian, Estonian, Ukranian, Czech/Slovak, Servo-croat, English
OSD language	-East,West,Turkish Version : English,French,German,Italian,Spanish -Cyrillic Version : Russian, English, German

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#### 4. WHITE BALANCE

- 1) Set the TV to NOR I mode.
- 2) Set the R,G,B LEVEL to CENTER with R,G,B UP/DOWN KEY .
- 3) Adjust the R,G,B UP/DOWN KEY of the other color which did not appear on the screen to obtain WHITE.

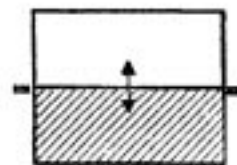
#### 5. FOCUS

- 1) Apply a RETMA PATTERN signal.
- 2) Adjust the FOCUS VOLUME on FBT to obtain optimal resolution.

#### 6. GEOMETRY

##### 6.1 VERTICAL CENTER

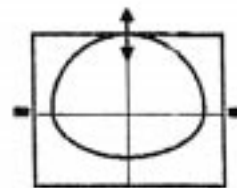
- 1) Set the TV to NOR I mode.
- 2) Pressing the V-CENTER UP/DOWN KEY, the lower half of the screen is blanked.
- 3) Adjust the border line of blanked picture coincident with the mechanical center marks of the CRT using the V-CENTER UP/DOWN KEY.



##### 6.2 VERTICAL SIZE

*f<sub>R</sub>* The VERTICAL CENTER adjustment has to be done in advance.

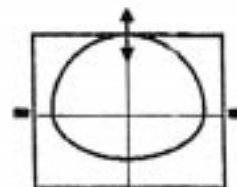
- 1) Apply a RETMA PATTERN signal.
- 2) Set the TV to NOR I mode.
- 3) Adjust the upper part of the picture with the V-SIZE UP/DOWN keys.



##### 6.3 VERTICAL SLOPE

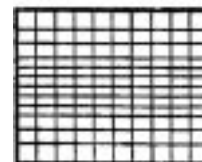
*f<sub>R</sub>* The VERTICAL SIZE adjustment has to be done in advance.

- 1) Apply a RETMA PATTERN signal.
- 2) Adjust the lower part of the picture with the V-SLOPE UP/DOWN keys.



##### 6.4 VERTICAL S-CORRECTION

- 1) Apply a CROSSHATCH PATTERN signal.
- 2) Adjust the S-COR UP/DOWN KEY to obtain the same distance between horizontal lines.



##### 6.5 HORIZONTAL CENTER

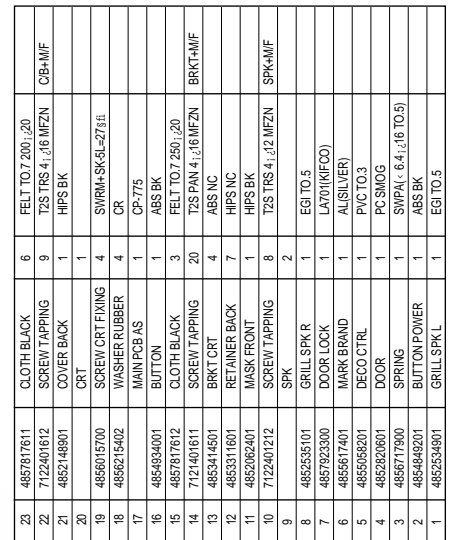
- 1) Apply a RETMA PATTERN signal.
- 2) Adjust picture centering with CENTER LEFT/RIGHT keys.

## THE DIFFERENT PARTS FOR CRT (CP-775)

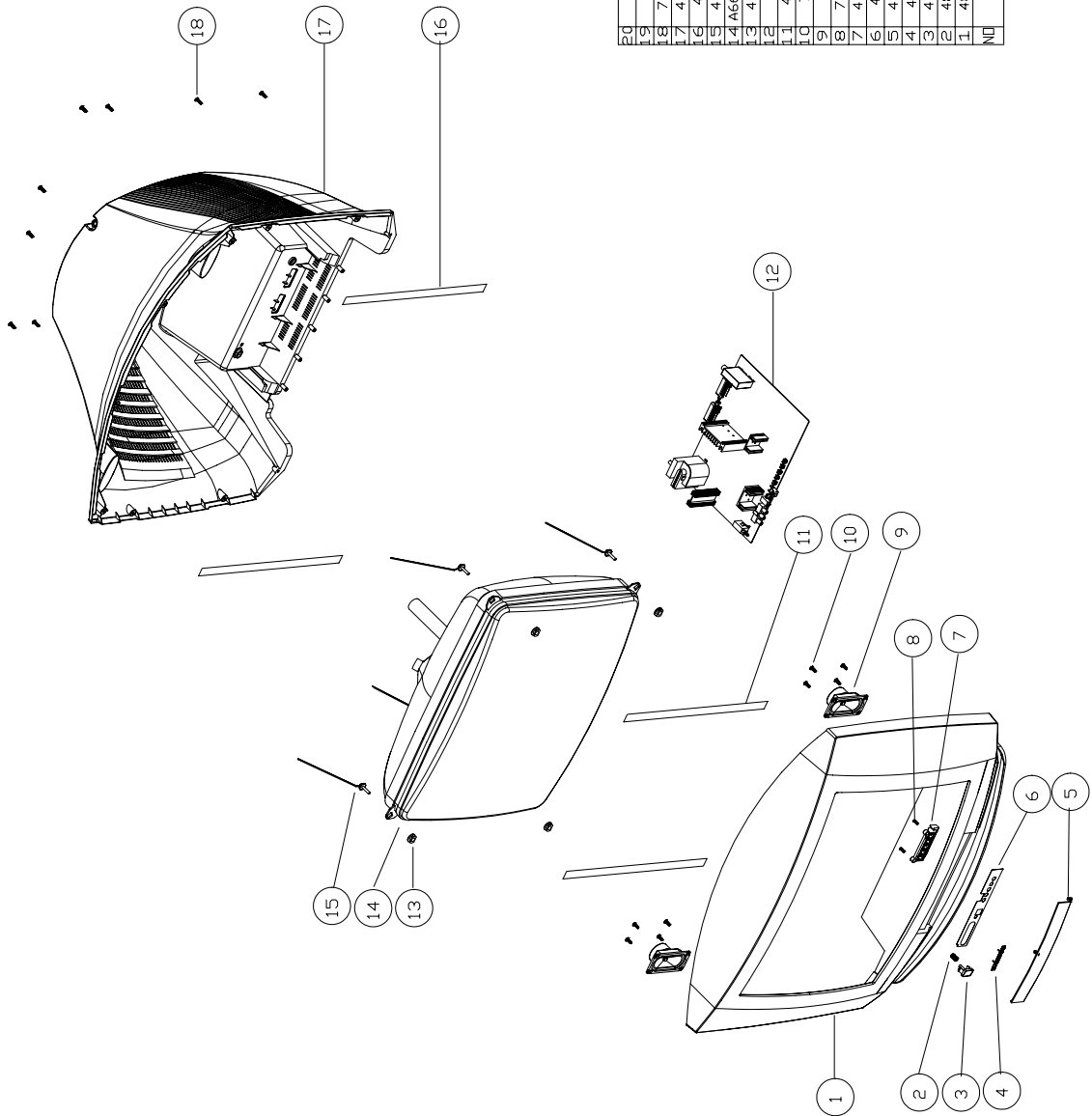
No	LOC.	NAME	28" (V/COLOR)	28"(PHILIPS)	25"(PHILIPS)	25"(ORION)	29"(ORION)	25"(TESLA)	28"(TESLA)
1	C402	C MYLAR	1.6KV 7200PF	□N	□N	1.6KV 7500PF	□N	1.6KV 7200PF	□N
			CMYH3C722J			CMYH3C752J		CMYH3C722J	
2	C404	C MYLAR	1.6KV 4700PF	□N	□N	□N	1.6KV 8200PF	1.6KV 4700PF	□N
			CMYH3C472J				CMYH3C822J	CMYH3C472J	
3	C408	C MYLAR	400V 0.3MF	400V 0.27MF	□N	400V 0.33MF	400V 0.51MF	400V 0.27MF	400V 0.3MF
			CMYE2G304J	CMYE2G274J		CMYE2G334J	CMYE2G514J	CMYE2G274J	CMYE2G304J
4	D406	DIODE	BYW95C	□N	□N	□N	X	BYW95C	□N
			DBYW95C - - -					DBYW95C - - -	
5	J802	WIRE COPPER	X	□N	□N	□N	AWG22 1/0.65 TIN COATING	X	□N
							85801065GY		
6	R333	R C-FILM	1/4W 2K OHM	1/4W 3K OHM	□N	1/4W 2.7K OHM F	□N	1/4W 3K OHM	□N
			RD-4Z202J -	RD-4Z302J-		RN-4Z2701F		RD-4Z302J-	
7	R919	R FUSIBLE	1W 0.47 OHM	1W 3.3 OHM	□N	□N	□N	1W 2.2 OHM	□N
			RF01Z478K -	RF01Z339J -				RF01Z229J-	
8	V901	CRT	A66ECY13X611	A66EAK071X11	A59EAK071X11	A59KTB96X01 P38	A68KTB190X006 P38	A59EMZ43X07	A66EMZ43X07
						A59KTB98X01 M50	A68KTB192X006 M50		
			4859613360	4859622160	4859622260	4859608962□N P38	4859618060□N P38	4859627460	4859627560
						4859609161□N M50	4859618460□N M50		
9	ZDC10	COIL	DC-2701	□N	DC-2501	□N	DC-2901	DC2501	DC2701
		DEGAUSSING	58G0000103		58G719M096		58G0000094	58G719M096	58G0000103
10	P405	CONNECTOR AS	4850706S10	4850706S21	□N	X	X	4850706S10	□N
11	L401	COIL H-LINEARITY	TRL-330	□N	□N	□N	TRL-200D	TRL-400D	□N
			58H0000025				58H0000039	58H0000041	

■ **2896**



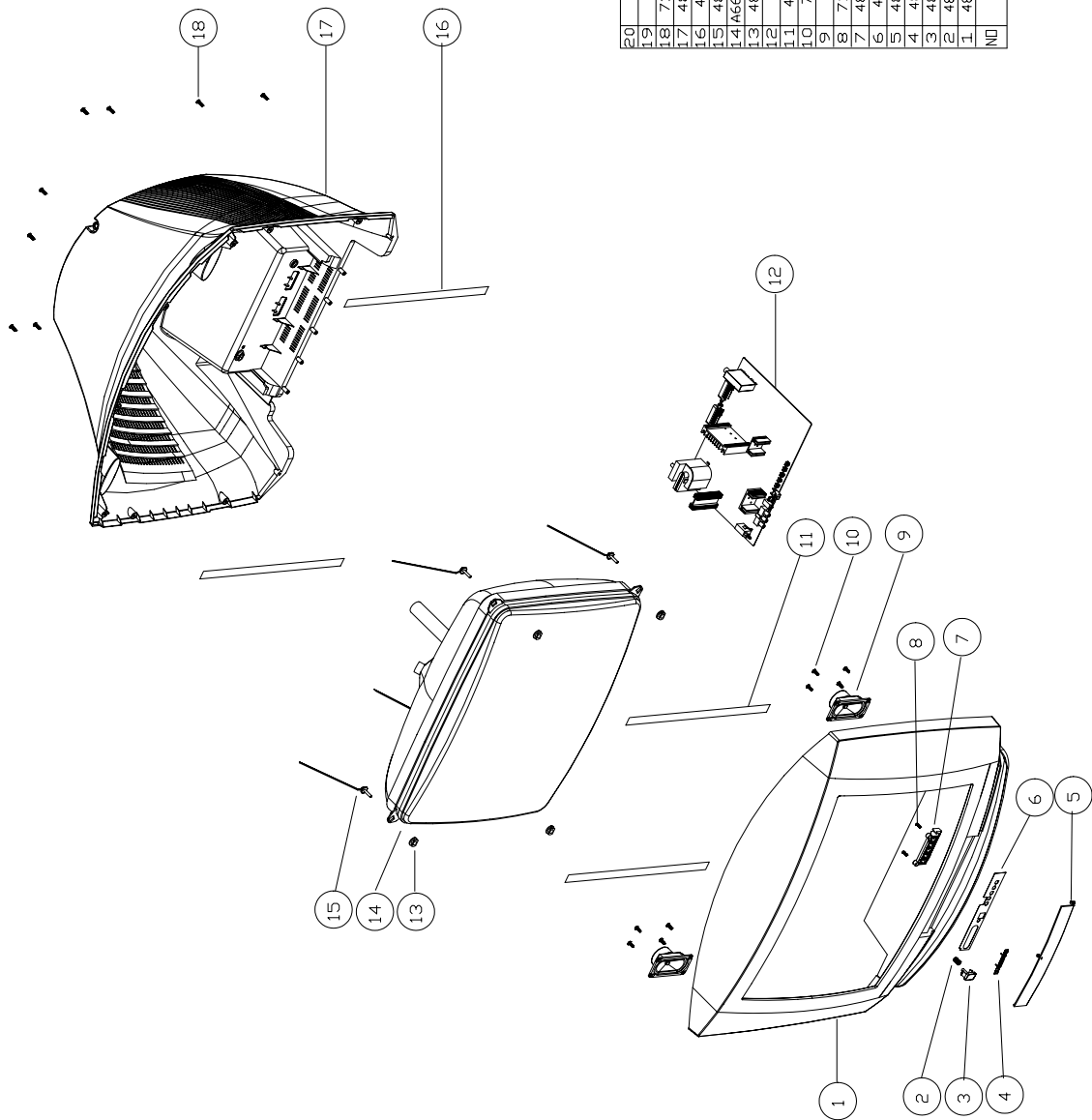


29	4858213800	BAG POLY	1	PE FILM T006 / 250 / 350
28	4858215400	PE FILM	12	
27	6520010100	STAPLE PIN	12	18MM_IDO
26	4858037300	BOX CARTON	1	DW-3
25	4858164200	PAD	1	EPS 2885
24	4858151800	SPEC PLATE	1	150ART P/E FILM

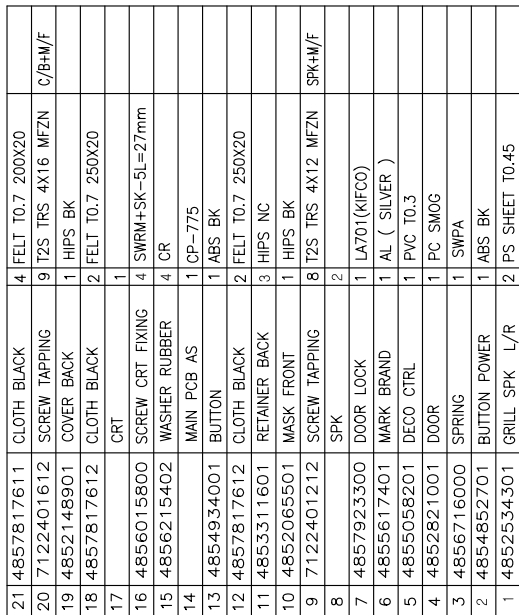


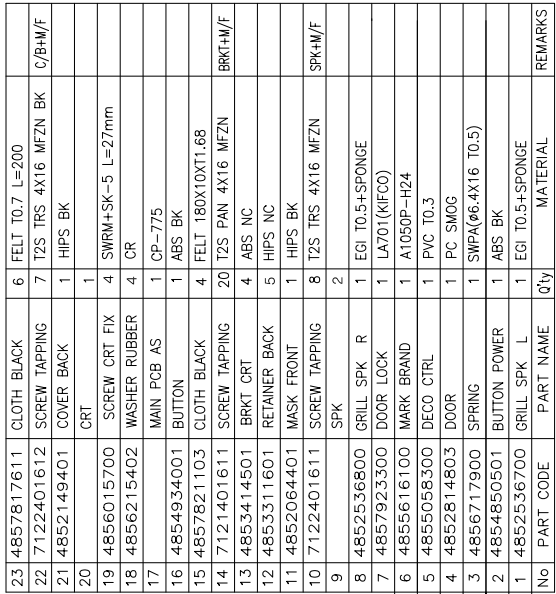
NO	PART CODE	PART NAME	QTY	MATERIAL	REMARKS
1	7122401612	SCREW TAPPING	10	SWRM BK	
2	4852151900	COVER BACK	1	HIPS BK	
3	4857817611	CLOTH BLACK	2	FELT T0.7 L=200	
4	4856015800	SCREW CRT_FIX	4	SWRM+SK-5 BK	
5	4665C13X.26V	CRT ASSY	1	GLASS	
6	4856215402	WASHER RUBBER	4	CR	
7	4857818702	PCB ASSY	1	gp-775	
8	7122401412	SCREW TAPPING	8	FELT T0.7 L=250 W=15	
9	7121301212	SPEAKER	2	SWRM BK	
10	4854939901	BUTTON CTRL	1	ABS BK	
11	4855059001	DECO CTRL	1	PS	
12	4852821501	DOOR	1	PC	
13	4855617400	MARK BRAND	1	A1050P-H24	
14	4854854001	BUTTON_POWER	1	ABS	
15	4856716001	SPRING	1	SWPA	
16	4852067901	MASK FRONT	1	HIPS BK	
17					
18					

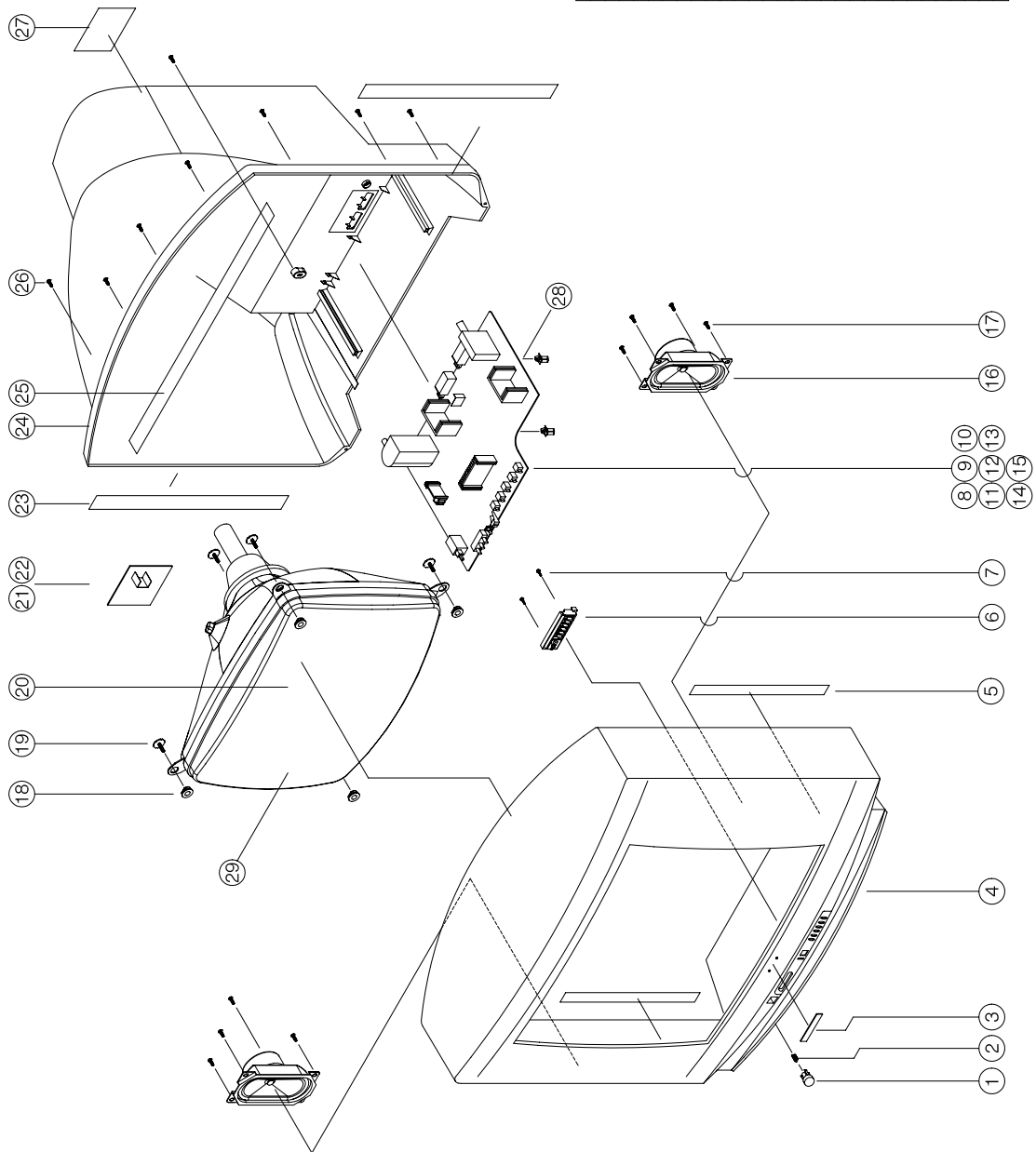




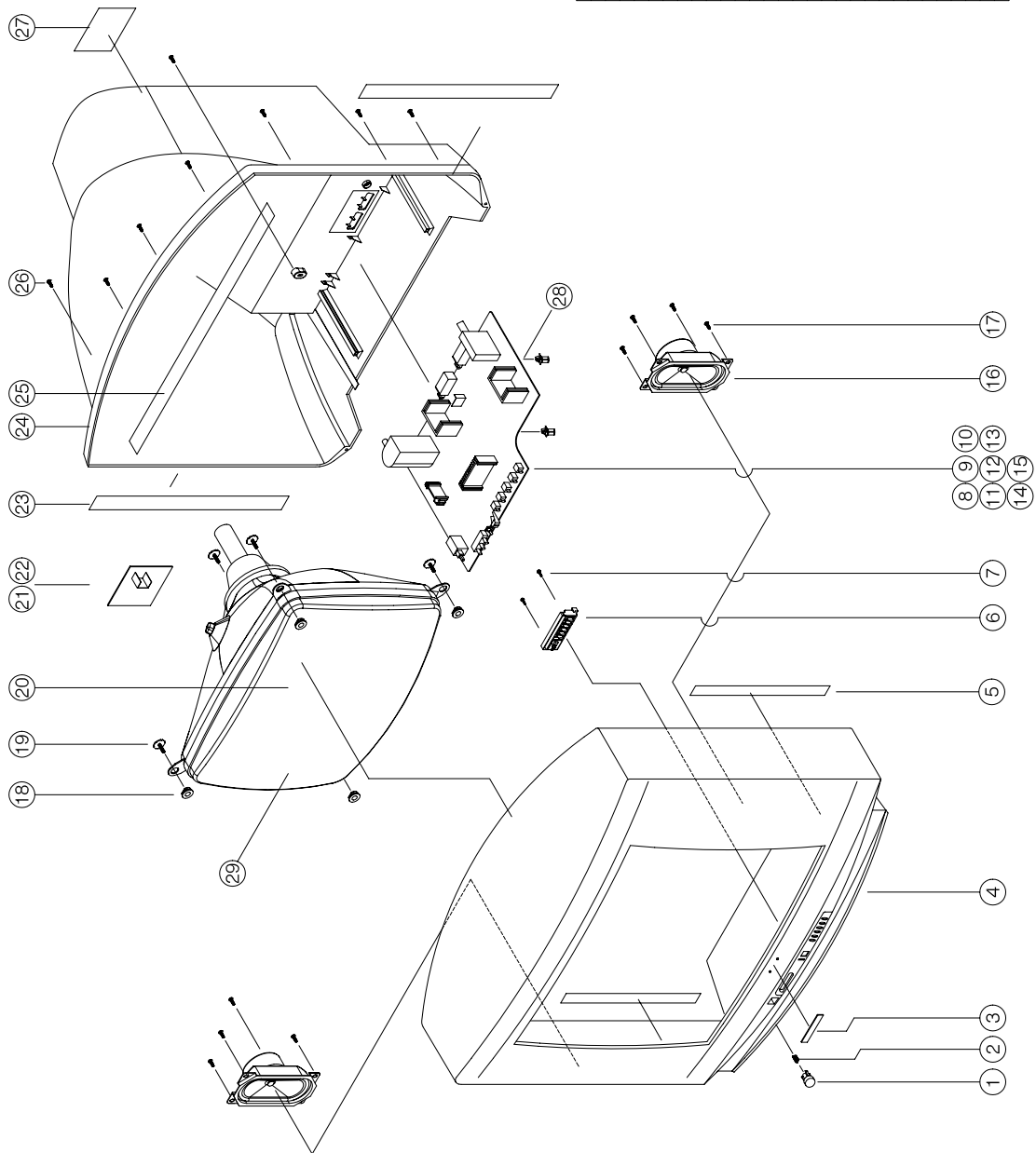
NO	PART CODE	PART NAME	QTY	MATERIAL	REMARKS
1	4852068001	MASK FRONT	1	HIPS BK	
2	4856716001	SPRING	1	SWPA	
3	4854854101	BUTTON POWER	1	ABS	
4	4855617400	MARK BRAND	1	A1050P-H24	
5	4852821701	DOOR	1	PC	
6	4855059001	DECO CTRL	1	PS	
7	4854939901	BUTTON CTRL	1	ABS BK	
8	7121301212	SCREW TAPPING	2	SWRM BK	
9	7122401412	SPEAKER	2	SWRM BK	
10	7122401412	SCREW TAPPING	8	SWRM BK	
11	4857818702	CLOTH BLACK	2	FELT T0.7 L=250 V=15	
12	4856215402	PCB ASSY	1	CP-775	
13	4856215402	WASHER RUBBER	4	CR	
14	A66CY13X 26V	CRT ASSY	1	GLASS	
15	4856015800	SCREW CRT FIX	4	SWRM-SK-5 BK	
16	4857817611	CLOTH BLACK	2	FELT T0.7 L=200	
17	4852151900	COVER BACK	1	HIPS BK	
18	7122401612	SCREW TAPPING	10	SWRM BK	
19					
20					







NO	PART CODE	PART NAME	PART NAME	QTY	MATERIAL	REMARKS
29	4853526000	HOLDER DECAUSS	2	NYLON 66		
28	4853747800	RETA PCB	2	NYLON 66		
27	4855415800	SPEC PLATE	1	150ART P/E FILM		
26	7122401612	SCREW TAPPING	10	T2S TRS 4X6 MFZN BK		
25	4857817610	CLOTH BLACK	1	FELT 10.7 L=300		
24	4852103001	COVER BACK	1	HIPS BK		
23	4857817630	CLOTH BLACK	2	FELT 10.7 L=400		
22	4857025400	HEAT SINK	1	SPCC-SN T1.0		
21		DRIVE PCB	1			
20	4856015820	SCREW CRT EX	4	TUBE A'SSY		
19	4856215402	WASHER RUBBER	4	CR		
17	7122401411	SCREW TAPPING	8	T2S TRS 4X14 MFZN		
16		SPEAKER	2			
15	4857013300	HEAT SINK C	1	SPCC T1.0 SN-3		
14	4853530901	HOLDER LED	1	HIPS BK		
13	4857015801	HEAT SINK	1	A1050P-H24 T2.0		
12	4857026500	HEAT SINK	1	AL EX		
11	4857027904	HEAT SINK	1	AL EX (ANODIZE)		
10	4857028001	HEAT SINK	1	AL EX BK		
9	4857027602	HEAT SINK	2	AL EX		
8		MAIN PCB ASSY	1			
7	7128301011	SCREW TAPPING	1	T2S WAS 3X10 MFZN		
6	48519229510	BUTTON CTRL AS	1	4851801+5533800		
5	4857821102	CLOTH BLACK	2	FELT 340x10xT1.68		
4	4852064801	MARK FRONT	1	HIPS BK		
3	4855617402	MARK BRAND	1	CU AU + ABS BK		
2	4856716000	SPRING	1	SWPA		
1	4854851801	BUTTON POWER	1	ABS BK		



29	485326000	HOLDER BEZEL	2	NYLON 66	
28	485374800	RETA PCB	2	NYLON 66	
27	485374800	SPEC PLATE	1	NYLON 66	
26	7125401411	SPRING	10	T2S TRS 4X14 MFZN	
25	4857017610	CLOTH BLACK	1	FELT TO 7 L=300	
24	4857017610	CLOTH BLACK	1	HIPS BK	
23	4857017610	CLOTH BLACK	2	FELT TO 7 L=400	
22	4857025400	HEAT SINK	1	SPCC-SN T1.0	
21	4856015820	CRT DRIVE PCB	1	TUBE A'SSY	
20	4856015820	SCREW CRT FIX	4	L=35	
19	4856215402	WASHER RUBBER	4	CR	
18	7122401411	SCREW TAPPING	8	T2S TRS 4X14 MFZN	
17	7122401411	SCREW TAPPING	8	T2S TRS 4X14 MFZN	
16	4857013300	SPEAKER	2	SPCC T1.0 SN-3	
15	4857013300	HEAT SINK C	1	HIPS BK	
14	4853530901	HOLDER LED	1	A1050P-H24 T2.0	
13	4857015601	HEAT SINK	1	AL EX	
12	4857026500	HEAT SINK	1	AL EX (ANGDZE)	
11	4857027904	HEAT SINK	1	AL EX	
10	4857028001	HEAT SINK	1	AL EX	
9	4857027602	HEAT SINK	2	AL EX	
8	7128301011	MAIN PCB ASSY	1	T2S WAS 3X10 MFZN	
7	4851929610	BUTTON CTRL AS	1	4936410+5533900	
6	4857821102	CLOTH BLACK	2	FELT 340x10x1.68	
5	4852064001	MARK FRONT	1	HIPS BK	
4	4855617402	MARK BRAND	1	CU AU + ABS BK	
3	4855617402	SPRING	1	SWPA	
2	4854819101	BUTTON POWER	1	ABS BK	
1	4854819101	PART NAME	071	MATERIAL	REMARKS

**DAEWOO**

**DAEWOO ELECTRONICS CO., LTD.**

686, AHYEON-DONG, MAPO-GU,  
SEOUL, KOREA.

C.P.O. BOX 8003 SEOUL KOREA

TELEX : DWELEC K28177-8

CABLE:"DAEWOOELEC"

F A X : 82-2-360-8184

T E L : 82-2-360-8179